BEARINGS

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MOTION & CONTROL NSK
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REVOLVO
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Rexroth Bosch Group
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RHP bearings
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Bearings

TECHKNOWLEDGEY

With bearing customers now looking to secure long term partnerships on existing and future projects with their supplier base, it is fundamental ERIKS can accommodate their needs and be able to offer support at any level. Our bearings experts strive to stand out from the crowd and be considered first time, every time.

ERIKS' bearing experts offer unrivalled engineering support at all levels.

BEARINGS

Bearings, sustainability as standard?

Rolling bearings are such a common component that we sometimes forget what they're for and why, even in a world of ever developing sustainable technologies, the bearings is and always has been at the top of the tree when it comes to saving energy.

Let's just consider why we use bearings for a moment, for one thing to carry a load, if they didn't they would collapse and wouldn't be much use! But why we really use bearings it to reduce friction, exactly the reason they were developed as common machine components well over 100 years ago.

At the end of the industrial revolution the real driver for rolling bearing development was friction reduction. Enabling machines to run reliably at faster and faster speeds without the crippling wear associated with the journals used before rolling bearings became mass produced. (Just take a look at some 19th century machinery and the quantity of grease needed to lubricate the journals... Not great for the environment!)

But today the friction saving and the reduction in heat and energy losses inherent in rolling bearings has become so familiar it's too often overlooked.

Another fact which doesn't get its fair share of column inches compared to new energy and waste saving products is that bearings are made from very high percentages of recycled steel... Your old bearings will on the whole be recovered and could well be turned into new bearings.

And that's been the case long before government schemes to encourage householders to recover everything from drinks cans to plastic bottles.

That's not to say there aren't new developments that can improve things further. The area of lubrication may well be seen as a mark against the inherent sustainability of rolling bearings but take a look at the opposite page and you will see technology developed to address usage levels and waste in an innovative and performance enhancing way.

So next time you buy or fit a bearing, maybe you can just afford to congratulate yourself a little for making a small contribution to making the world that little bit more sustainable.

SUSTAINABLE PRODUCTS & TECHNOLOGIES

Simalube

Over greasing of bearings impairs performance but also wastes grease. Avoid over greasing with a measured automatic delivery of just the right amount from the market leading automatic lubricator. No external power required.

POSITIVE WASTE REDUCTION

OKS Airspray

Replaces propellant used in aerosol cans with compressed air. Simply place the can on the special base unit to charge with just the right amount of air and oil. Also removes the danger of igniting propellant.

POSITIVE POLLUTION REDUCTION

Timken

Proven to run cooler than the competition. Makes the lubricant last longer so you need less lubricant over the life cycle of the bearing and as heat is lost energy, you're cutting energy use too.

POSITIVE ENERGY REDUCTION

SE housings

New designs give an improvement in robustness. Used in challenging and large applications, SE Housings reduce risk of operator injury and business risk from unplanned failure.

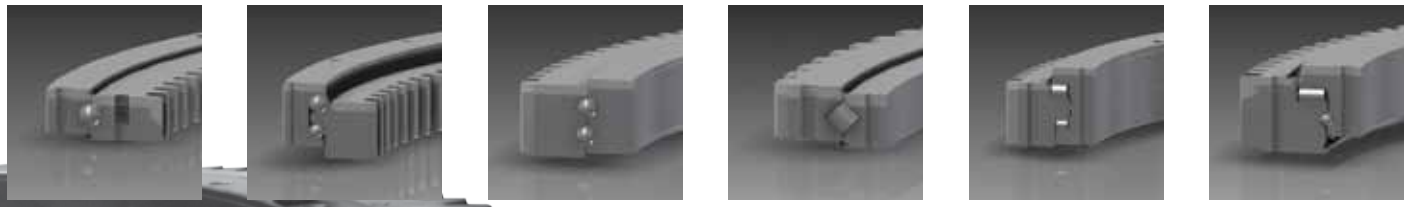
POSITIVE RISK REDUCTION

Slewing Rings

For bespoke solutions on short lead-times or for performance which falls outside of normal stock range envelopes, Revolvo has both the technical expertise, design and production capacity to deliver engineering solutions on a range of slewing rings from 300mm to 4500mm external diameter.

- **Single row ball bearing**
- **Double row ball bearing**
- **Cross roller bearing**
- **Three row roller bearing**
- **Roller/ball bearing**

The gear teeth, if required, can be internal or external with both helical and straight forms available.



Applications

Revolvo offers slewing bearings for many applications such as;

- **Cranes**
- **Medical**
- **Water Treatment**
- **Offshore**
- **Mining**
- **Defence**
- **Transport**
- **Forestry**
- **Packaging**
- **Wind Turbines**
- **Solar Panels**

Revolvo Split Roller Bearings

REVOLVO

Reduce Fitting Time by up to 90%

In industry today there are huge pressures on engineers and maintenance personnel to increase plant efficiency and minimise downtime.

That is why, when the unexpected happens, Revolvo Split Roller Bearings are essential: because they can provide a staggering 90% reduction in fitting time, compared to their solid equivalents. And faster fitting means less plant downtime – saving you £000s.

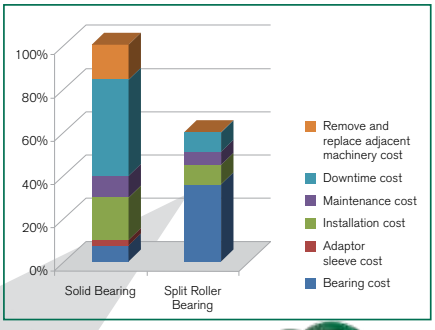
The split-to-the-shaft feature enables the bearing to be fitted without requiring access to the shaft ends. Instead, it can be built around the shaft, saving hundreds of pounds in unnecessary downtime as there is no need to remove other drive components.

For example: An ERIKS customer had issues with their gas cool air fan application. Historically to change one retained and one expansion bearing took 14 hours and 2 apprentices. Following a consultation with ERIKS bearing technical specialists they decided to switch to SRB 01 Light series units.

With supervision and training from the ERIKS technical specialist the first installation took just 6 hours. In addition it is now possible for the customer to change just the bearings, as the cast iron housing outlives the bearings, within 2 hours (1 hour for each bearing). Saving in the region of £216k per annum in downtime, added to this the prolonged life of the split bearings, which have so far provided double the life span of the original units – then Revolvo Split Roller Bearings really are the essential solution.

POSITIVE RISK REDUCTION

Fully split to the shaft Split Roller Bearings are assembled around the shaft meaning you don't have to disconnect every mating component from the assembly when you carry out a bearing change. Vastly reduces the risk of damaging surrounding components when disturbing them and ease and speed of assembly and disassembly reduces the risk of a bearing change overrunning and eating into valuable production time.



Available in:

- 01 Light Series 35mm to 600mm
- 02 Medium Series 45mm to 600mm
- 03 Heavy Series in 100mm to 600mm

For more information and technical support please contact your local ERIKS Service Centre or Revolvo Technical Support direct on 0845 368 0061.

Electrically Insulated Bearings from Revolvo

Electrical discharge can cause premature failure of bearings, however Revolvo can offer you a solution. Their electrically insulated coated bearings (directly interchangeable with standard bearings) isolates the discharge of eddy current, either through the bearing housing or shaft, thus increasing the bearing life. An aluminium oxide coating applied to the locating surface of the inner or outer race prevents the discharge of current through the bearing which eliminates the electrical 'fluting' which is seen in standard bearings. Typical applications include Electric motors, armatures and traction motors.

© Shutterstock.com

Get a tough bearing

New upgraded SKF Explorer self-aligning roller bearings can provide up to twice the service life as the original under difficult operating conditions.

Combining clean and homogenous high-quality steel with an improved heat treatment, new upgraded SKF Explorer bearings have a superior balance between hardness and toughness. This advancement gives upgraded SKF Explorer self-aligning roller bearings a higher degree of wear resistance, enabling as much as twice the service life as the original, in applications where there are high levels of contamination or poor lubrication conditions.

All standard SKF spherical roller bearings, CARB toroidal bearings and most spherical roller thrust bearings have now been upgraded to the SKF Explorer performance class.

For further information visit: **www.skf.co.uk/upgrades**

SKF (U.K.) Limited
01582 490049
www.skf.co.uk

SKF®

SKF SE Bearing Housings

A new generation of SKF housings designed for maximum reliability and minimal maintenance.

SKF sets the new standard for split plummer block housings with the introduction of SE bearing housings. These robust units are manufactured with higher grade materials, improved machining accuracy and a number of new features that enhance their serviceability compared to the previous SNL design.

POSITIVE RISK REDUCTION

New design SKF SKE bearing housing gives an improvement in robustness over previous designs. Often used in the most challenging and critical applications, new designs reduce operator and process risk from unplanned failure of the housing and the bearing within it.

Design and manufacturing improvements:

- A modular design concept for a wide range of options
- Stiffer, more robust housing
- Better heat dissipation
- Efficient grease guiding system
- Repositioned grease escape hole for easier access
- Better corrosion protection

Improvements for more accurate and efficient servicing:

- Improved markings on the housing
- Dimples to locate accessories and improved lubrication facilities
- Simple mounting and dismounting

This is a rolling change programme and as a SKF Authorised Distributor ERIKS will be first to market with this exciting innovation.

Part Numbering

SE housings will have new part numbers distinct from those used for SNL housings.

For example: SNL511-609-SKF will be replaced by SE511-609-SKF.

Spherical Roller Bearings

TIMKEN

Timken have recently made a considerable investment in design and manufacturing of their Spherical Roller Bearings. New versions match or exceed the very best product in the market.

POSITIVE ENERGY REDUCTION

TDP3 delivers synchronous driven speeds at efficiencies of 97% and upwards and when used on constant torque applications, can save significant amounts of energy, money and carbon emissions.

New Cage Design

The new cage design helps provide better purging of contaminants, leading to longer bearing life through reduced damage caused by the ingress of foreign matter.

Stamped Steel Cage (EJ)

- Two-piece, land-riding, window type cage
- Surface hardened for increased strength and reduced wear
- Slotted face for more efficient lubrication distribution
- Designed for high speeds

Stamped Steel Cage

Machined Brass Cage (EM or EMB)

- EM roller-riding
- EMB land-riding
- Enhanced roller/cage contact geometry designed to provide optimum roller guidance and reduced friction
- Robust cage bridge designed to operate in extreme environments

Machined Brass Cage

Optimised Internal Geometry

Optimised internal geometries provide axial roller guidance and improved lubricant distribution, which in turn increases bearing life through even load distribution across the rollers and optimised lubricant performance.

Runs Cooler

Leads to increased effective lubricant life and lower energy losses.

Materials

As the only premium bearing manufacturer to also make super-clean, high alloy bearing steels, Timken understands the critical quality link between materials and product performance.

Applications

From heavy gear and caster applications to the harshest aggregate and conveyor systems:

- Gearboxes
- Aggregates, aparatus including shaker screens
- Heavy duty industrial conveyor systems
- Industrial fans

Spherical Roller Bearings NSK HPS™ Series

MOTION & CONTROL™ NSK

NSK HPS stands for 'NSK's High Performance Standard'. Which is why our compact spherical roller bearings – NSK HPS series – last twice as long as conventional ones, even under the toughest of conditions. Even when limiting speeds are exceeded by up to 20%, they continue to function precisely and reliably.

Extremely pure Z-steel construction and improved internal design characteristics are deciding factors in the increase of performance. High precision finishing of the inner and outer rings, newly-developed surface treatments of the rollers, super-finished raceway surfaces, improved cage geometry and cage stiffness: these are just some of the advantages of NSK´s wear-resistant NSK HPS spherical roller bearings. Downsizing and low maintenance costs are determining factors in reducing the running costs of our customers' plant. NSK HPS spherical roller bearings do not just make a convincing case through their compact construction but, by achieving double the operating life of conventional bearings, they also significantly reduce downtime and the associated costs. NSK HPS series bearings have a temperature stability up to 200°C.

Product details:

- Range: 40mm to 260mm bore size
- Up to twice the operating life of conventional products
- Up to 20% higher limiting speeds
- Up to 25% higher dynamic load rating
- Compact construction – low running costs
- Improved outer ring surface
- New cage design for improved wear resistance

Cages:

- Pressed steel cages – special surface treatment
- Brass cages – optimised for high reliability

Double the operating life

Limiting speed **20% higher**

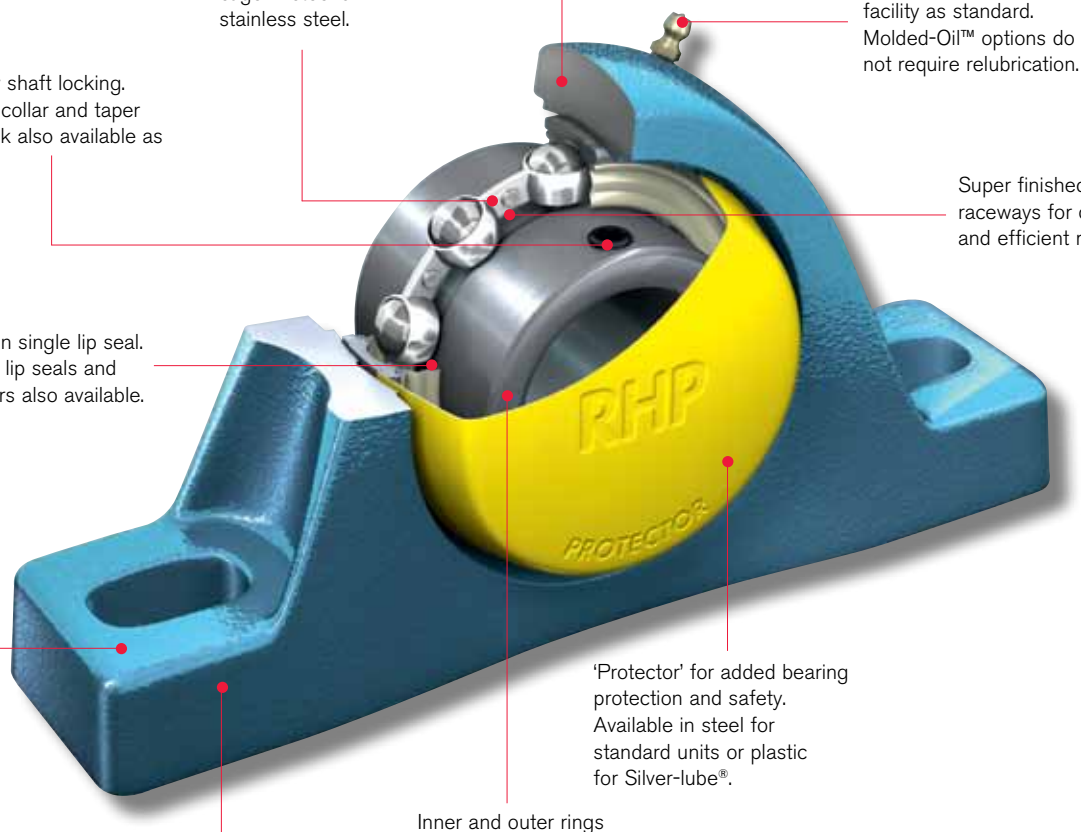
Part No	ID (mm)	OD (mm)	Width (mm)
21308-NSK	40	90	23
22208-NSK	40	80	23
22308-NSK	40	90	33
21309-NSK	45	100	25
22209-NSK	45	85	23
22309-NSK	45	100	36
21310-NSK	50	110	27
22210-NSK	50	90	23
22310-NSK	50	110	40
21311-NSK	55	120	29
22211-NSK	55	100	25
22311-NSK	55	120	43
21312-NSK	60	130	31
22212-NSK	60	110	28
22312-NSK	60	130	46
21313-NSK	65	140	33
22213-NSK	65	120	31
22313-NSK	65	140	48
21314-NSK	70	150	35
22214-NSK	70	125	31
22314-NSK	70	150	51

Part No	ID (mm)	OD (mm)	Width (mm)
21315-NSK	75	160	37
22215-NSK	75	130	31
22315-NSK	75	160	55
21316-NSK	80	170	39
22216-NSK	80	140	33
22316-NSK	80	170	58
21317-NSK	85	180	41
22217-NSK	85	150	36
22317-NSK	85	180	60
22218-NSK	90	160	40
22318-NSK	90	190	64
23218-NSK	90	160	52
21319-NSK	95	200	95
22219-NSK	95	170	43
22319-NSK	95	190	64
21320-NSK	100	215	47
22220-NSK	100	180	46
22320-NSK	100	215	73
23120-NSK	100	165	52
23220-NSK	100	180	60.3

RHP Self-Lube® Bearings

Below is a pillow block unit, but NSK offer a wide range of housed bearing units with various sealing options to suit the bearing application.

RHP bearings


Spherical seating to allow for initial misalignment on mounting.
Two-piece riveted high strength metal cage in steel or stainless steel.
Re-lubrication facility as standard. Molded-Oil™ options do not require relubrication.
Set screw shaft locking. Eccentric collar and taper sleeve lock also available as standard.
Super finished raceways for quiet and efficient running.
Proven single lip seal. Triple lip seals and flingers also available.
Dowel pin positions.
'Protector' for added bearing protection and safety. Available in steel for standard units or plastic for Silver-lube®.
Inner and outer rings through hardened, high quality steel.
Rigid one-piece high quality cast iron housing. Also available in high quality thermoplastic or cast stainless steel.

Why Self-Lube?

The original concept of this bearing type was to provide a fully engineered solution including a housing and a shaft locking mechanism. This included superior bearing sealing and sufficient lubrication for life hence Self-Lube. Most applications do not require re-lubrication but this feature was added as a later development for extreme conditions.

Extensively Tested

Comprehensive Test Facility situated in the UK.

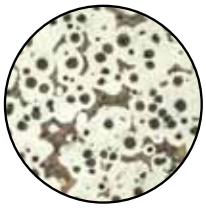
All RHP Self-Lube bearing designs are fully tested:

- Bearing life time
- Seal performance
- Grease performance
- High and low temperature conditions
- Noise and vibration
- Housing strength

Go DIRECT
To your Local Service Centre

Material Cleanliness

Ultimate material cleanliness gives extended bearing life and high load carrying capacity. Superior grain structure of casting.



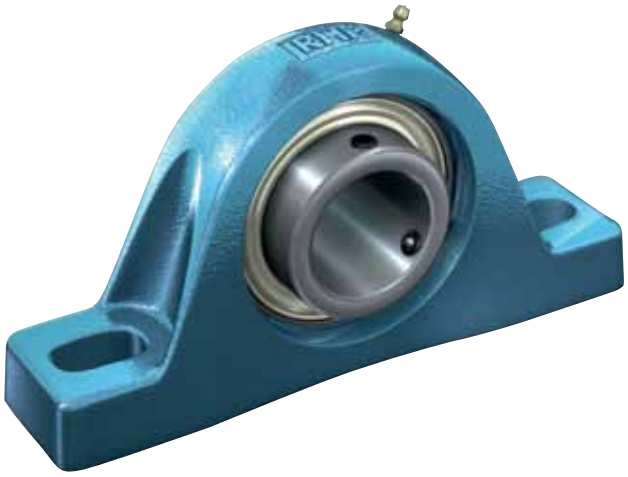
RHP Material

Uniform grain structure leading to good casting strength

Competitor Material

Less uniform grain structure leading to possible premature facture

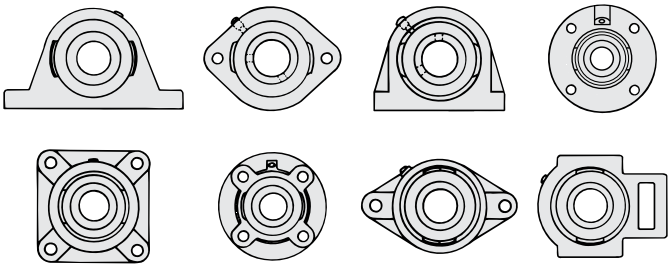
RHP bearings



Housing Strength

Continually developed to enhance performance across many industry sectors:

- Consistent high strength housings
- Eliminated housing material defects such as blow holes and delinerations
- Unique RHP Self-Lube design features such a solid base and strengthening ribs – instantly recognisable



Self-Lube Bearing Development

Continually developed to enhance performance across many industry sectors:

- Wide range of housing types and materials for all applications
- Extensive range of sealing options for a wide variety of applications
- Specialist lubrication options for extreme conditions

Performance in All Applications

	Self-Lube	Triple Lip Seal	Flinger Seal	Silver-Lube	Molded-Oil	HLT
Wet	•	•••	•	••	•••	•
Wet Dust	•	•••	••	••	•••	•
Submerged		••			•••	
High Temp	•	•	•	•		•••
Low Temp	•	•	•	•	•	••
Chemical				••		
High Speed	•		••	•		•

Environmental Credentials

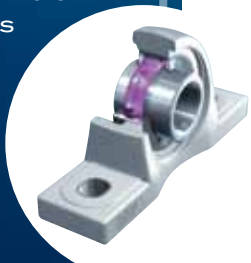
RHP Self-Lube has been carefully designed to minimise the impact on the environment:

- Components are selected to maximise recyclables
- Grease selection meets environmental standards
- Minimal frictional losses reduce energy consumption
- Manufacturing facilities are certified to ISO 1400 and tasked with reducing CO_2 emissions

Life-Lube™ Series

The Life-Lube series combine the corrosion resistant properties of Silver-Lube housings with the excellent sealing and lubricating properties of Molded-Oil inserts. Life-Lube units are specifically for use in industries where contact with water and process fluids is unavoidable, excellent chemical resistance is required and a longer lubrication life is necessary.

RHP Life-lube featuring Molded-Oil.



Features and Benefits

- Corrosion resistance
- Sealed for life solid lubrication system
- Ideal for operation in wet or inaccessible applications
- No need for re-lubrication
- PBT Thermoplastic resin housing with Martensitic stainless steel insert

MOTION & CONTROL™
NSK

Super Precision Angular Contact Ball Bearings

A global leader in super precision bearings, NSK continually expands the horizons of bearing technology. Using pioneering designs and advanced materials, the company addresses the speed and output challenges of the machine-tool industry, and its range of bearing products is unequalled for innovation and quality. NSK Super Precision Angular Contact bearings are specifically designed for rigid, high speed, high precision machine tool spindles, and their state-of-the-art preload control for consistently high performance.

- Ideal for rigid, high speed, high precision machine tool spindles
- State-of-the-art preload control
- Standard and high-speed robust designs
- Sealed version available

Also available

Super Precision Sealed Angular Contact Ball Bearings

Pre-packed with grease for easier handling and mounting, these maintenance-free Angular Contact Bearings also feature a non-contact nitrile rubber seal which allows high-speed operation and provides superior oil and wear resistance and improved mechanical properties.

Part No	Bore Size (mm)	Contact Angle	Preload
7002CTDULP3-NSK	15	15°	Light
7003CTDULP3-NSK	17	15°	Light
7004CTDULP3-NSK	20	15°	Light
7005CTDULP3-NSK	25	15°	Light
7006CTDULP3-NSK	30	15°	Light
7007CTDULP3-NSK	35	15°	Light
7008CTDULP3-NSK	40	15°	Light
7009CTDULP3-NSK	45	15°	Light
7010CTDULP3-NSK	50	15°	Light
7011CTDULP3-NSK	55	15°	Light
7012CTDULP3-NSK	60	15°	Light
7013CTDULP3-NSK	65	15°	Light
7014CTDULP3-NSK	70	15°	Light
7015CTDULP3-NSK	75	15°	Light
7017CTDULP3-NSK	85	15°	Light
7018CTDULP3-NSK	90	15°	Light
7022CTDULP3-NSK	110	15°	Light
7201CTDULP3-NSK	12	15°	Light
7202CTDULP3-NSK	15	15°	Light
7203CTDULP3-NSK	17	15°	Light
7205CTDULP3-NSK	25	15°	Light
7206CTDULP3-NSK	30	15°	Light
7207CTDULP3-NSK	35	15°	Light
7208CTDULP3-NSK	40	15°	Light
7210CTDULP3-NSK	50	15°	Light
7211CTDULP3-NSK	55	15°	Light
7212CTDULP3-NSK	60	15°	Light
7213CTDULP3-NSK	65	15°	Light

DIRECT Attention
Workshops offering repair or replacement

MOTION & CONTROL™
NSK

PARTNERSHIP BASED ON TRUST – AND TRUST BASED ON QUALITY

Total Quality by NSK: The synergies of our global network of NSK Technology Centres. Just one example of how we meet our requirements for high quality.

NSK is one of the leading companies with a long tradition in patent applications for machine parts. In our worldwide research centres, we not only concentrate on the development of new technologies, but also on the continual improvement of quality based on the integrated technology platform of tribology, material technology, analysis and mechatronics.

More about NSK at www.nskeurope.com or call us on +44 (0) 1636 605123

NSK UK Ltd. · Northern Road · Newark · Nottinghamshire · NG24 2JF · Tel. +44 (0) 1636 605123 · info-uk@nsk.com

Why use an SKF Authorised Distributor?

From traceability to troubleshooting, SKF Authorised Distributors can bring you a series of benefits which safeguard your operation and maximise performance.

If you've ever wondered why you should use an SKF Authorised Distributor then you probably aren't aware of the many benefits to users. Aside from the ability to call on SKF's worldwide application and service engineering expertise, there is a series of individual features which can make a significant difference to the efficiency of your operations.

ERIKS UK is proud to be an SKF Authorised Distributor.

Traceability

SKF offers full traceability for any products sold to SKF Authorised Distributors. The worrying increase of counterfeit bearings and other engineering products in the marketplace has made traceability a major concern for customers.

Counterfeit products are an issue for all branded bearing manufacturers in all geographical markets and industrial segments, and could affect all types and sizes of bearings, as well as seals and grease products.

Availability

As an SKF Authorised Distributor, ERIKS can supply 97% of your off-the-shelf requirements direct from stock. 16,000 different SKF product lines are available direct from our European Distribution Centre (EDC), a single, central warehouse in Tongeren, Belgium, saving you money through simpler purchasing, stockholding and administration.

SKF now delivers daily from EDC, five days a week, all year round, to our nationwide network of distributors. The bar codes on the transport packages are recorded every time goods are dispatched. If customers need to trace an order, our distributors can usually feed back information within an hour.

Full technical support

Only SKF Authorised Distributors have access to SKF's worldwide application and service engineering expertise. SKF Service Engineers operate throughout the country, offering hands-on service, training, troubleshooting and engineering support.

For example, because bearings are precision components and require correct mounting for maximum performance, SKF provides a complete range of specially designed mounting and dismounting tools – and the knowledge to use them effectively.

Equally important is the environment in which the bearing functions and the operating conditions to which it is subjected. SKF training and technical support provides customers with a wealth of knowledge in both these areas.

As an SKF Authorised Distributor, ERIKS can bring you the benefits which SKF has identified as important to the many industries it serves, enabling customers to gain swift access to a broad and comprehensive range of engineering solutions.

Monitor your key assets

with SKF Microlog Advisor Pro

Standalone, three-channel data collector

Maintaining your critical plant assets – and your bottom line – doesn't always require a route-based solution. For some applications, a powerful, portable data collection and analysis tool like the SKF Microlog Advisor Pro is more effective. Backed by more than 100 years of SKF rotating machinery knowledge and decades of condition monitoring expertise, the SKF Microlog Advisor Pro can help you enjoy proactive maintenance benefits without being a vibration expert or having a traditional route-based system.

- Designed for use by expert and novice-level users alike
- Ideal for service, maintenance, inspection, and diagnostic applications
- Combines wizard-driven measurement instructions with automated analysis
- Colour codes indicate test status, pass/fail criteria and machine condition
- Ideal for quality inspection checks
- Flexibility to upgrade with additional modules

For further information, please visit: www.skf.com/cm/microlog

SKF (U.K.) Limited
01582 490049
www.skf.co.uk

SKF®

Tapered Roller Bearings

TIMKEN

Timken is a global leader in friction management technologies and provides one of the most complete offerings of antifriction bearings in the industry. Timken also offers the most extensive line of tapered roller bearings available anywhere in the world.

These tapered roller bearings are uniquely designed to manage both thrust and radial loads on rotating shafts and in housings.

Available in single, double and four-row configurations, customised geometries and engineered surfaces can be applied to these bearings to further enhance performance in demanding applications. The tapered angles allow the bearing to handle a combination of radial and thrust loads – the steeper the cup angle, the greater the ability of the bearing to handle thrust loads.

Single-Row Tapered Roller Bearings
The most basic and widely used tapered bearing, usually fitted as one of an opposing pair.

Double-Row Tapered Roller Bearings
With double cups and two single cones, these are available in a variety of configurations for general industrial and automotive applications.

Four-Row Tapered Roller Bearings
Combine the inherent high-load, radial/thrust capacity and direct/indirect mounting variables of tapered roller bearings into assemblies of maximum load rating in minimum space.

Here's just our best sellers. Don't forget we have 100s of other sizes – call us with your needs!

Imperial

Part No	Part No	Part No
03062/03162	357/353	29585/29520
05079/05185S	3578/3525	29675/29620
07087X/07210X	368A/362A	29685/29620
07100S/07205	368A/362AX	29749/29710
07100S/07210X	3780/3720	307749/307710
09067/09195	387/382	3490/3420
09074/09196	3877/3820	529/522
102949/102910	387A/382	529X/522
103049/103010	387A/382A	535/532A
104948/104910	39590/39520	55175C/55437
11590/11520	395A/394A	55200/55437
11749/11710	3982/3920	5584/5535
117949/117910	3984/3920	559/552A
11949/11910	415647/415610	56418/56650

Part No	Part No	Part No
12648/12610	42690/42620	56425/56650
12649/12610	44150/44348	566/563
15101/1524	44643/44610	567/563
15123/15245	44649/44610	575/572
15590/15520	45449/45410	593/592A
16150/16283	462/453X	594/592A-
18590/18520	46780/46720	594A/592A
18690/18620	46790/46720	603049/603011
18790/18720	47487/47420	6075/6162
19150/19268	47686/47620	610549/610510
1986/1931	47896/47820	612949/612910
205149/205110	48548/48510	623/612
211749/211710	495/493	623149/623110
212047/212011	495A/493	6379/6320

Part No	Part No	Part No
212749/212710	501349/501310	64450/64700
218248/218210	506849/506810	645/632
225849/225810	508748/508710	65237/65500
231649/231610	510749/510710	67048/67010
24780/24720	511946/511910	67388/67322
25580/25520	515649/515610	67390/67322
25590/25520	521949/521910	67790/67720
25877/25821	522546/522510	68149/68111
27687/27620	522649/522610	683/672
2788/2720	52400/52618	710949C/710910
28980/28921		

Metric

Part No	Inside Diameter	Outside Diameter	Width
30202-TIMKEN	15mm	35mm	11.75mm
30203-TIMKEN	17mm	40mm	13.25mm
30204-TIMKEN	20mm	47mm	15.25mm
30205-TIMKEN	25mm	52mm	16.25mm
30206-TIMKEN	30mm	62mm	17.25mm
30207-TIMKEN	35mm	72mm	18.25mm
30208-TIMKEN	40mm	80mm	19.75mm
30209-TIMKEN	45mm	85mm	20.75mm
30210-TIMKEN	50mm	90mm	21.75mm
30211-TIMKEN	55mm	100mm	22.75mm
30212-TIMKEN	60mm	110mm	23.75mm
30213-TIMKEN	65mm	120mm	24.75mm
30214-TIMKEN	70mm	125mm	26.25mm

Part No	Inside Diameter	Outside Diameter	Width
30218-TIMKEN	90mm	160mm	32.5mm
30302-TIMKEN	15mm	42mm	14.25mm
30303-TIMKEN	17mm	47mm	15.25mm
30304-TIMKEN	20mm	52mm	16.25mm
30305-TIMKEN	25mm	62mm	18.25mm
30306-TIMKEN	30mm	72mm	20.75mm
30307-TIMKEN	35mm	80mm	22.75mm
30308-TIMKEN	40mm	90mm	25.25mm
31305-TIMKEN	25mm	62mm	18.25mm
31308-TIMKEN	40mm	90mm	25.25mm
31310-TIMKEN	50mm	110mm	29.25mm
31311-TIMKEN	55mm	120mm	31.5mm
31313-TIMKEN	65mm	140mm	36mm

Part No	Inside Diameter	Outside Diameter	Width
32004-TIMKEN	20mm	42mm	15mm
32005-TIMKEN	25mm	47mm	15mm
32006-TIMKEN	30mm	55mm	17mm
32007-TIMKEN	35mm	62mm	18mm
32008-TIMKEN	40mm	68mm	19mm
32009-TIMKEN	45mm	75mm	20mm
32010-TIMKEN	50mm	80mm	20mm
32011-TIMKEN	55mm	90mm	23mm
32012-TIMKEN	60mm	95mm	23mm
32013-TIMKEN	65mm	100mm	23mm
32014-TIMKEN	70mm	110mm	25mm
32024-TIMKEN	120mm	180mm	38mm

Go DIRECT
To your Local Service Centre

Type E TIMKEN

Introducing the new Timken® Type E Tapered Roller Bearing Housed Unit.

With an enhanced bearing insert, double-lip seals and e-coat paint on the housing and collars, the new Timken® Type E tapered roller bearing yields a 55% longer design life and provides 10x improved sealing* and better corrosion resistance even under the toughest conditions. Further proof of why, when it comes to the critical moment of trust, your operations and your reputation need Timken.

Whatever your needs, we've got you covered:

- A total system approach – The right product for the right application helps improve overall equipment performance
- Unparalleled engineering expertise – Over a century of technical innovations which enable equipment to run harder, faster and longer
- Global manufacturing, local distribution – 150 Timken facilities in 27 countries bring local supply and simplified logistics
- Life-cycle perspective – A full range of support and services to help reduce total cost of ownership

Discover more at www.timken.com/typeE

Everything you need to keep it moving for tough jobs

The new housed units are ideal for rugged applications, such as in material-handling and processing equipment used in pulp and paper, power generation, mining, cement and aggregate industries and in air-handling equipment and water treatment and waste-water treatment. Other common machine applications include mixing, vibrating and ovens/furnaces.

*55% longer design life than current industry leaders using standard Timken bearings and 10x improved sealing over competitor single-lip products.

Visit us at eriks-techdirect.co.uk
to find your local Service Centre

Take a fresh look at needle bearings

Koyo Torrington Needle Roller Bearings

Experience Koyo-Torrington quality

Koyo has been a world leader in bearing technology since 1921 and Koyo bearings have been manufactured in the UK since 1991. In this world of global competition it is comforting to know that UK investment and manufacturing is still an integral part of our global strategy.

In all types of environment Koyo has proven its expertise and ability to understand and deliver bearing technology to the highest possible standards. As part of the Toyota group of companies we only accept the highest quality, reliability and performance from our products.

UK manufacturers can rely on Koyo: there is no longer the need to choose between quality and competitive pricing – with Koyo you always get both.

- Koyo manufacture over 100,000 variations of ball and roller bearings
- UK sales and distribution (Milton Keynes)
- UK manufacturing facilities (Barnsley)

ERIKS UK carries a comprehensive range of Koyo-Torrington needle bearing products, which is backed up by full technical support from the JTEKT Group.

Why choose Koyo-Torrington needle roller bearings?

- Small in sectional height, therefore useful in making machinery smaller and lighter
- Compact, highly rigid and superior in load carrying performance
- Excellent for carrying oscillating loads
- Can be used in a wide range of machinery including automobiles, motor cycles, electric machines, machine tools, aerospace and office equipment

BEARINGS

Koyo Torrington Needle Roller Bearings

Metric Drawn Cup Needle Roller Bearings

HK SERIES – Caged-Open ends

Part No	Shaft Diameter
HK0408-KOYO	4mm
HK1010-KOYO	10mm
HK1522-KOYO	15mm
HK3016-KOYO	30mm
HK4020-KOYO	40mm
HK4520-KOYO	45mm

HK.RS SERIES – Caged-Single Seal

Part No	Shaft Diameter
HK0810RS-KOYO	8mm
HK1414RS-KOYO	14mm
HK2018RS-KOYO	20mm
HK2414RS-KOYO	24mm
HK3518RS-KOYO	35mm
HK5022RS-KOYO	50mm

DL SERIES – Full Complement-Open ends

Part No	Shaft Diameter
DL610-KOYO	6mm
DL1210-KOYO	12mm
DL2016-KOYO	20mm
DL3520-KOYO	35mm
DL5012-KOYO	50mm
DL5520-KOYO	55mm

BK SERIES – Caged-Closed end

Part No	Shaft Diameter
BK0408-KOYO	4mm
BK1010-KOYO	10mm
BK1522-KOYO	15mm
BK3016-KOYO	30mm
BK4020-KOYO	40mm
BK4520-KOYO	45mm

HK.2RS SERIES – Caged-Double Seal

Part No	Shaft Diameter
HK12162RS-KOYO	12mm
HK14162RS-KOYO	14mm
HK20202RS-KOYO	20mm
HK25162RS-KOYO	25mm
HK35202RS-KOYO	35mm
HK50242RS-KOYO	50mm

DLF SERIES – Full Complement-Closed end

Part No	Shaft Diameter
DLF610-KOYO	6mm
DLF1210-KOYO	12mm
DLF2016-KOYO	20mm
DLF3520-KOYO	35mm
DLF5012-KOYO	50mm
DLF5520-KOYO	55mm

Inch Drawn Cup Needle Roller Bearings

B SERIES – Full Complement-Open ends

Part No	Shaft Diameter
S24-KOYO	1/8"
S66-KOYO	3/8"
S85-KOYO	1/2"
S1210-KOYO	3/4"
S328-KOYO	2"
S5612-KOYO	3.1/2"

J SERIES – Caged-Open ends

Part No	Shaft Diameter
SCE36-KOYO	3/16"
SCE68-KOYO	3/8"
SCE126-KOYO	3/4"
SCE2412-KOYO	1.1/2"
SCE3216-KOYO	2"
SCE4412-KOYO	2.3/4"

JT SERIES – Caged-Single seal

Part No	Shaft Diameter
SCE56P-KOYO	5/16"
SCE109P-KOYO	5/8"
SCE1613P-KOYO	1"
SCE2421P-KOYO	1.1/2"

M SERIES – Full Complement-Closed end

Part No	Shaft Diameter
M85-1-KOYO	1/2"
M146-1-KOYO	7/8"
M167-1-KOYO	1"
M208-1-KOYO	1.1/4"
M328-1-KOYO	2"
M4420-1-KOYO	2.3/4"

MJ SERIES – Caged-Closed end

Part No	Shaft Diameter
MJ36-1-KOYO	3/16"
MJ65-1-KOYO	3/8"
MJ1210-1-KOYO	3/4"
MJ2412-1-KOYO	1.1/2"
MJ2812-1-KOYO	1.3/4"
MJ3216-1-KOYO	2"

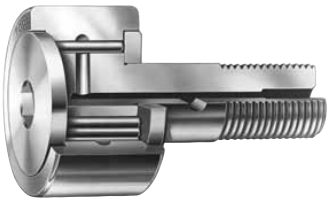
JTT SERIES – Caged-Double Seal

Part No	Shaft Diameter
SCE57PP-KOYO	5/16"
SCE1010PP-KOYO	5/8"
SCE1614PP-KOYO	1"
SCE2018PP-KOYO	1.1/4"

Cam Follower – Stud type – Metric

KR Series – Caged Stud Type – Metric

Crowned outer		Cylindrical outer		Outside Diameter
Standard	Sealed	Standard	Sealed	
KR16-KOYO	KR16PP-KOYO	KR16X-KOYO	KR16PPX-KOYO	16mm
KR19-KOYO	KR19PP-KOYO	KR19X-KOYO	KR19PPX-KOYO	19mm
KR22-KOYO	KR22PP-KOYO	KR22X-KOYO	KR22PPX-KOYO	22mm
KR26-KOYO	KR26PP-KOYO	KR26X-KOYO	KR26PPX-KOYO	26mm
KR30-KOYO	KR30PP-KOYO	KR30X-KOYO	KR30PPX-KOYO	20mm
KR32-KOYO	KR32PP-KOYO	KR32X-KOYO	KR32PPX-KOYO	30mm



AUTOMOTIVE, AGRICULTURE, RAILWAYS, ROLLING MILLS, OFFSHORE, QUARRY & MINING, MACHINE TOOLS, DOMESTIC APPLIANCES, COMPUTERS, AIRCRAFT

A World Leader in Quality Bearings

Here we show a small percentage of the bearings available from our UK warehouse. In addition to this our in-house technical / design specialists will be pleased to advise on any bearing application, large or small.

Spherical Roller Bearings

Koyo Spherical Roller bearings have long been used for various purposes, but as a result of raising the load rating of the bearings and with our unique upset forging and rolling processes, the scope of applications continues to increase.

Ball Bearings

Koyo Bearings offer the following benefits –

- Economical operating costs
- Interchangeability
- Simplified maintenance and handling
- Long service life
- Higher quality product
- Reduced maintenance costs
- Stock availability

Cylinderical Roller Bearings

Cylindrical roller bearings have high radial load capacity and moderate thrust loads. They contain rollers which are cylindrically shaped, but are not true cylinders. Instead, these rollers are crowned or end-relieved to reduce stress concentrations. This geometry results in low friction and allows for high-speed applications. Cylindrical roller bearings are commonly available in precision grades.

Tapered Roller Bearings

Increased bearing life and greater reliability are available for Tapered Roller Bearing applications. Our unique upset forging and rolling processes are used in the early stages of production. Skilled craftsmanship, scientific assembly and inspection techniques are responsible for this excellent product. Koyo single and double row tapered roller bearings are ideally suited to support heavy combination thrust and radial loads.

These bearings are suitable for applications that involve heavy radial and impact loading. They are also appropriate for high-speed applications in that they can be machined very accurately due to their structure.

Having a separable inner ring or outer ring, these bearings can be mounted and dismounted easily.

Ball Bearing Units

Exceptional features include –

- Outstanding Design
- Extended Service Life
- High Precision
- Excellent Sealing
- Ease of Installation
- Sturdy Construction of Housing
- Extensive Application

Needle Roller Bearings

We offer both inch and metric dimension bearings in popular designs such as: drawn cups, radial caged needle rollers, machined ring, track rollers, thrust bearings, combined bearings, and drawn cup roller clutches. Most of these bearing types can be operated directly on a machined shaft of suitable quality, or with a matching inner ring where the requirement cannot be conventionally satisfied.

Koyo

JTEKT

Koyo Bearings is a member of the JTEKT Group and we are one of Japans leading manufacturers of bearings. As well as being manufactured to the highest quality, our range covers a wide range of applications, with available sizes ranging from a 0.5mm to 5.00m outside diameter.

For further details contact your local ERIKS Service Centre on 0845 006 6000 or visit www.eriks.co.uk

Linear Bearings and Other Linear Bearing Products

THOMSON™
Linear Motion. **Optimized.**

Thomson invented the linear ball bushing bearing over 60 years ago. We've been the recognised leader in linear bearing technology ever since. The widest range of linear bearings and accessories, all engineered for low friction and smooth, accurate straight-line motion – we satisfy strict requirements with the highest-performance linear bearings available. And, Thomson linear bearings used with Thomson 60 Case® Shafting boost shafting life by up to 50%.

Our linear bearing products are part of an unmatched portfolio of motion technologies available as components through to complete custom systems. As such we provide the optimal motion solution without technology bias. Performance is built into our entire line of linear bearing products:

- Thomson Super Linear Ball Bushing® Bearing plates allow carriage machining, thanks to defined radius crowns for maximised self-alignment accuracy
- Our Super Smart Linear Ball Bushing Bearings and pillow blocks use patented self-aligning, double-track linear bearing technology – which doubles the load carrying capacity and increases travel life by eight times
- Our Super Linear Ball Bushing Bearings and pillow blocks are our original self-aligning precision anti-friction linear bearings

Thomson Imperial Super Ball Bushing Linear Bearings

- Self-aligning capability of up to 0.5° compensating for inaccuracies in base flatness or carriage machining
- Travel speeds of up to 10ft/s without a reduction in load capacity
- Lightweight, wear resistant, engineered-polymer retainers and outer sleeves that reduce inertia and noise
- Radially floating bearing plates. When installed in an adjustable housing the Super Ball Bushing bearing may be adjusted to a specific diametrical fit-up for accurate and repeatable movement
- Coefficient of friction as low as 0.001

Closed Type without Seals for End Supported Applications

Part No	ID	OD	Length
SUPER4-THO	1/4"	1/2"	3/4"
SUPER6-THO	3/8"	5/8"	7/8"
SUPER8-THO	1/2"	7/8"	1.1/4"
SUPER10-THO	5/8"	1.1/8"	1.1/2"
SUPER12-THO	3/4"	1.1/4"	1.5/8"
SUPER16-THO	1"	1.9/16"	2.1/4"
SUPER20-THO	1.1/4"	2"	2.5/8"
SUPER24-THO	1.1/2"	2.3/8"	3"
SUPER32-THO	2"	3"	4"

Thomson Imperial Super Smart Ball Bushing Linear Bearings

- Up to six times the load capacity or 216 times the travel life of conventional linear bearings
- Twice the load capacity or eight times the travel life of the standard Super Ball Bushing Bearings
- Universal self-alignment feature that compensates for misalignment of housing bores and shaft deflection
- Technologically advanced design that allows the bearing to maintain its diametral fit-up when installed in a housing that is slightly out of round
- Up to 400% longer linear race shaft life and minimal machine downtime when replacing conventional linear bearings
- Coefficient of friction as low as 0.001
- Double lip integral wipers that keep out dirt whilst retaining lubrication, maximising travel life
- Closed and open configurations available

Closed Type with Two Integral Wipers for End Supported Applications

Part No	ID	OD	Length
SSU10WW-THO	5/8"	1.1/8"	1.1/2"
SSU12WW-THO	3/4"	1.1/4"	1.5/8"
SSU16WW-THO	1"	1.9/16"	2.1/4"
SSU20WW-THO	1.1/4"	2"	2.5/8"
SSU24WW-THO	1.1/4"	2.3/8"	3"

Open Type with Two Integral Wipers for Continuously Supported Applications

Part No	ID	OD	Length
SSU10OPNWW-THO	5/8"	1.1/8"	1.1/2"
SSU12OPNWW-THO	3/4"	1.1/4"	1.5/8"
SSU16OPNWW-THO	1"	1.9/16"	2.1/4"
SSU20OPNWW-THO	1.1/4"	2"	2.5/8"
SSU24OPNWW-THO	1.1/4"	2.3/8"	3"

Bosch Rexroth Metric Linear Bushings and Shafts

Rexroth
Bosch Group

STANDARD

- Durable steel enclosure
- Suitable for applications with high contamination and high temperatures
- Can be adjusted when closed
- Also available in complete corrosion-resistant steel

SUPER

- Built-in inertial error compensator, compensates for the angle between the housing and shaft up to 0.5° tilt
- Self-adjustment ensures effortless lead-in of the bearings into the loaded zone and even load distribution

COMPACT

- Compact dimensions
- Eliminates the need for typical axial fasteners in the mounting hole due to integrated metal locking rings
- Also available in a corrosion-resistant format

Standard Metric Ball Bushing – Closed Type Part Numbers

Part No	ID (mm)	OD (mm)	H (mm)
0600-012-00-BRL	12	22	32
0600-016-00-BRL	16	26	36
0600-020-00-BRL	20	32	45
0600-025-00-BRL	25	40	58
0600-030-00-BRL	30	47	68
0600-040-00-BRL	40	62	80
0600-050-00-BRL	50	75	100
0600-060-00-BRL	60	90	125
0600-080-00-BRL	80	120	165

Standard Metric Ball Bushing – Open Type Part Numbers

Part No	ID (mm)	OD (mm)	H (mm)
0630-012-00-BRL	12	22	32
0630-016-00-BRL	16	26	36
0630-020-00-BRL	20	32	45
0630-025-00-BRL	25	40	58
0630-030-00-BRL	30	47	68
0630-040-00-BRL	40	62	80
0630-050-00-BRL	50	75	100
0630-060-00-BRL	60	90	125
0630-080-00-BRL	80	120	165

Ball Rail Systems

Rexroth roller rail systems were specially developed for use in machine tools, industrial robots and general machine construction applications calling for compact, rolling-element linear motion guideways. They are available in various accuracy classes, each with extremely high load capacity and high rigidity. Standard runner blocks can also be supplied for special conditions of installation and use and for special working environments. Wide Roller Rail Systems were developed to cater for high moment loads and highest rigidity requirements. For heavy duty applications there is a choice of Heavy Duty Roller Rail Systems.

Rexroth fabricates its guide rails and runner blocks with such high precision that each individual component element can be replaced by another at any time. This makes infinite combinations possible. Each element can be individually ordered and separately stocked. Both sides of the guide rail can be used as reference edges. Accessories can be simply attached to the ends of the runner block.

Further highlights

- Uniform guide rail profile with or without cover strip allows unrestricted interchangeability of components across all runner block variants
- Lube ports on all sides for maximum ease of maintenance
- Novel lube duct design minimises lubricant consumption
- Smooth running thanks to optimised roller recirculation and guidance
- Mounting of attachments to runner block from above or below
- Maximum rigidity under load from all directions through two additional mounting screw holes at the centre of the runner block
- High torque capacity
- Optimised entry-section geometry and high number of rollers per track minimises variation in elastic deflection
- The runner block simply slides off its arbor and onto the rail
- Integrated all-round sealing as standard

Options

- Corrosion-resistant runner blocks and guide rails in Resist CR, matte silver hard chrome plated, come in accuracy class H; accuracy classes P and SP on request

Go DIRECT
To your Local Service Centre

BOSCH

Ball Screw Assemblies

A wide range of precision screws and preloaded or adjustable-preload single and double nuts is available for all feeding, positioning and conveying tasks.

Ball screws with driven nut

With a view to improving system specifications even further, Rexroth now offers its alternative STAR screw drives with fixed screw and driven nut, available with toothed-belt drive as an option. Yet another variant, with even higher performance characteristics, is the directly driven nut with hollow-shaft motor (MHS drive unit).

Precision ball screws in miniaturised configuration

This range of products is designed for use in any application where reduced dimensions, high speeds and maximum precision are the order of the day. Also Bosch and ERIKS can now offer compact mechanical drives with screw diameters of 4, 6 and 8mm in addition to the familiar 12 and 16mm sizes.

Linear Motion Systems

Designed for a wide range of applications, running from materials handling technology to light-duty machining jobs in the aluminum, wood and plastics sectors, Rexroth offers its ready-to-mount Linear Motion Systems with a variety of drive configurations and control systems.

Benefits at a glance:

- A complete range of products for use in virtually any application
- Linear motion systems with all market-specific drive variants
- Ready-to-mount, supplied with motor and controller combinations, plus positioning control and sensor systems
- Universal configuration of multi-axle combinations, with adaptation of Bosch profile modules
- High proficiency thanks to the use of components produced in-house
- Onsite servicing available worldwide from selected sales support offices equipped with assembler know-how
- Precision and compact modules are of particularly slimline design and reduced height

Condition Monitoring

Condition monitoring is only as good as the data taken and it takes a skilled engineer to interpret the results accurately. ERIKS is proud of its team of condition monitoring experts across the UK who specialise in analysis of electromechanical machinery.

Facilities and resources

- Dedicated Condition Monitoring Business Unit
- In-house nationwide network of ISO 18436 certified Condition Monitoring personnel
- Latest high resolution thermographic equipment
- Market leading vibration analysis data collectors and software
- In-house oil analysis facilities
- Ultrasound (airborne) detectors with calculation facility

Capabilities:

- Experts in electromechanical machines/rotating equipment
- Accurate analysis of machine data in a form you can understand
- Multidisciplined Condition Monitoring personnel
- Heat energy surveys with cost saving information
- Cost avoidance SLAs
- Flexible local staff to fit with your schedules
- Machine protection by:
  - Periodic portable monitoring
  - Linking to PLC/SCADA or internet
  - Stand-alone protection
  - Permanent data collection
  - Alerts by email, text and digital output
- National, regional and local CM management structure
- Certified maintenance partner of SKF

To contact your local workshop, call:
08000 55 66 44

SKF Machine Condition Advisor (MCA)

The new MCA is the latest addition to SKF's condition monitoring tools for engineers and technicians to make quick and easy assessments of machinery by enabling vibration, bearing condition and temperature checks. The MCA is an entry level condition monitoring tool that is easy to use and to demonstrate. Promotional demonstration kits are available.

Key features:

- Easy to read back-lit display
- Rechargeable battery
- Uses infra-red temperature measurement
- ISO vibration standards are built in, triggering a display alarm for non-compliance
- External accelerometer available (100mV/g)
- User manual CD including a link to training video and a trend results spreadsheet

Part No
CMAS100SL

SKF Microlog Analyser AX series

CMXA80 Advanced Data Collector/FFT Analyser

The SKF Microlog Analyser AX is the most advanced large screen route based analyser offered by SKF today. The SKF Microlog AX's features allow you to capture a wide range of vibration data quickly. The analyser provides the flexibility to support applications that are most important to your company's specific predictive maintenance programme.

Key Features:

- Simultaneous triaxial or four channel measurements for fast data collection
- Marvell 806 MHz PXA320 processor means faster real-time rate and display updates
- Rugged, dust/waterproof IP 65 design for reliability in industrial environments
- Rechargeable lithium battery supports eight hours of continuous data collection
- Large 6.4" VGA colour display for easy viewing and analysis in any light

Part No
CMXA80

SKF Microlog Advisor Pro

CMXA45 Portable Maintenance Instrument

The SKF Microlog Advisor Pro is a versatile stand-alone instrument combining the functionality of several instruments into one handheld device. With an intuitive user interface, the SKF Microlog Advisor Pro is easy to use, by either expert or non-expert analysts, and is ideal for customers who do not require a route based solution. If necessary, recorded data can be uploaded to the Analysis and Reporting module or Microsoft Excel for further analysis and report generation.

Key Features:

- Available in a range of kits designed for specific applications, such as conformance testing, balancing, analysing and bump testing, includes all the relevant accessories to get the job done
- Easy activation of additional modules to extend functionality
- Memory upgrade via SD card
- On-board decision support with up to 64 graded alarms (Conformance Check module)
- Display real images of machinery and transducer positions
- Easy operation function keys
- Extended battery life and lightweight ergonomic design supports eight hours of continuous use

Part No
CMXA45

Automatic Lubricator

Make lubrication easy with the Simalube Automatic Lubricator! Failure to lubricate a bearing correctly almost always leads to premature failure and high repair costs. But lubrication can be a hassle. That's why Simatec developed an advanced generation of Simalube – an automatic single-point lubricator which has been proven millions of times.

simalube® smart lubrication

POSITIVE WASTE REDUCTION

Over greasing of bearings impairs performance but also wastes grease. Avoid over greasing with a measured, controlled automatic delivery of just the right amount of grease or oil for up to 12 months from the market leading automatic lubricator and no external power required to drive the unit.

Simalube features

- Patented gas producing Drycell technology means no batteries, external power source or residual chemicals after use
- Available prefilled with 30, 60, 125 and 250ml of grease or oil (oil units feature a non-return valve in the base)
- Also available empty for self-filling

Simalube advantages

- Guaranteed regular lubrication for up to 12 months
- Reduce unplanned failures and associated downtime
- Reduced power consumption through optimum lubrication
- Adjustable dispense settings, even in operation
- Transparent housing enables quick and easy checks in operation
- Small residual lubricant after use due to the design of the Simalube piston dramatically reduces waste grease when the unit is finished

Simalube seamlessly integrates with your lubrication regime

- Reduce time spent lubricating by checking Simalubes rather than greasing with a gun
- Reduce contamination, Simalube seals the greasing point
- Eliminate over or under lubrication, even the best lubrication regime can lead to feast and famine lubrication
- Reduce visits to inaccessible lubrication points and associated isolation of plant and risk assessments

Automatic lubricator – Oil

Part No.	Description
SIMASL00-1-125	Empty for self-filling with oil 125ml
SIMASL00-1-250	Empty for self-filling with oil 250ml
SIMASL00-1-30	Empty for self-filling with oil 30ml
SIMASL00-1-60	Empty for self-filling with oil 60ml
SIMASL14-125	Chain oil 125ml
SIMASL14-250	Chain oil 250ml
SIMASL14-30	Chain oil 30ml
SIMASL14-60	Chain oil 60ml
SIMASL15-125	High temperature chain oil 125ml
SIMASL15-250	High temperature chain oil 250ml
SIMASL15-30	High temperature chain oil 30ml
SIMASL15-60	High temperature chain oil 60ml
SIMASL16-125	Slideway oil 125ml
SIMASL16-250	Slideway oil 250ml
SIMASL16-30	Slideway oil 30ml
SIMASL16-60	Slideway oil 60ml
SIMASL18-125	Food industry oil 125ml
SIMASL18-250	Food industry oil 250ml
SIMASL18-30	Food industry oil 30ml
SIMASL18-60	Food industry oil 60ml
SIMASL19-125	Biodegradable oil 125ml
SIMASL19-250	Biodegradable oil 250ml
SIMASL19-30	Biodegradable oil 30ml
SIMASL19-60	Biodegradable oil 60ml

Automatic lubricator – Grease

Part No.	Description
SIMASL00-125	Empty for self-filling with grease 125ml
SIMASL00-250	Empty for self-filling with grease 250ml
SIMASL00-30	Empty for self-filling with grease 30ml
SIMASL00-60	Empty for self-filling with grease 60ml
SIMASL01-125	Multipurpose grease 125ml
SIMASL01-250	Multipurpose grease 250ml
SIMASL01-30	Multipurpose grease 30ml
SIMASL01-60	Multipurpose grease 60ml
SIMASL02-125	Multipurpose grease with MoS2 125ml
SIMASL02-250	Multipurpose grease with MoS2 250ml
SIMASL02-30	Multipurpose grease with MoS2 30ml
SIMASL02-60	Multipurpose grease with MoS2 60ml
SIMASL04-125	High temperature grease 125ml
SIMASL04-250	High temperature grease 250ml
SIMASL04-30	High temperature grease 30ml
SIMASL04-60	High temperature grease 60ml
SIMASL06-125	Fluid grease 125ml
SIMASL06-250	Fluid grease 250ml
SIMASL06-30	Fluid grease 30ml
SIMASL06-60	Fluid grease 60ml
SIMASL09-125	Biodegradable grease 125ml
SIMASL09-250	Biodegradable grease 250ml
SIMASL09-30	Biodegradable grease 30ml
SIMASL09-60	Biodegradable grease 60ml
SIMASL10-125	Food industry grease 125ml
SIMASL10-250	Food industry grease 250ml
SIMASL10-30	Food industry grease 30ml
SIMASL10-60	Food industry grease 60ml
SIMASL24-125	Multipurpose grease for a wide temp. range 125ml
SIMASL24-250	Multipurpose grease for a wide temp. range 250ml
SIMASL24-30	Multipurpose grease for a wide temp. range 30ml
SIMASL24-60	Multipurpose grease for a wide temp. range 60ml
SIMASL25-125	High performance grease 125ml
SIMASL25-250	High performance grease 250ml
SIMASL25-30	High performance grease 30ml
SIMASL25-60	High performance grease 60ml
SIMASL26-125	Calcium sulfonate complex grease 125ml
SIMASL26-250	Calcium sulfonate complex grease 250ml
SIMASL26-30	Calcium sulfonate complex grease 30ml
SIMASL26-60	Calcium sulfonate complex grease 60ml

Accessories

Part No.	Description
SIMA1060	Quick Connection for 8mm Hose (1/4" female)
SIMA1070	Quick Connection for 8mm Hose (1/8" male)
SIMA1071	Quick Connection for 8mm Hose (1/4" male)
SIMA1072	Quick Connection for 8mm Hose (3/8" male)
SIMA2000	Hose ø 8/6mm (per metre)
SIMA2080	Mounting Support (flange, 1/4" nipple and nut)
SIMA2081	Protective Cover
SIMA2082	Bracket 75mm (1 bore)
SIMA2083	Bracket 240mm (3 bore)
SIMA2084	Bracket 390mm (5 bore)

Simatherm IH 025 VOLCANO

simatherm® smart mounting

The simatherm IH 025 VOLCANO marks the start of a new era in the field of portable induction heaters. The patented technology enables outstanding heating performance from an extremely light structure. You can use it to heat roller bearings with an inner diameter as small as 20mm up to an outer diameter of 160mm and a weight of up to 10kg. To do this, simply place the workpiece onto the VOLCANO's cone shaped heating surface.

- Portable, compact and very light (3.5kg)
- A bearing weighing 5kg can be heated to 110°C in under four minutes
- Silent in operation
- No support yoke required – simply place the workpiece on the device
- Predictive temperature control (PTC) for automatic temperature monitoring

Part No
SIMAIH025-VOLCANO

POSITIVE ENERGY REDUCTION

The patented cone shaped heating surface contains the induction coil for a speed of heating you've never seen before.

Simatherm IH 090

For heating small and medium sized bearings with a weight up to 120kg (260lb)

- Available in the power versions 400V/50Hz and 460V/60Hz
- Three yokes are included
- Very compact design, 35kg (77lb) overall weight including three yokes
- Swivel arm is included
- Fan radiator for permanent operation is included
- Other power versions are available on request

Part No	Description
SIMAIH090/200V	Simatherm Induction Heater IH090 200V
SIMAIH090/400V	Simatherm Induction Heater IH090 400V

Simatool Kits

simatool® smart tools

Perfect for installing and removing bearings and seals!

Available individually as well as accessories or spare parts, these high-quality tool components are supplied in a compact case with liner, allowing all tool components to be neatly stored. A comprehensive user manual, containing data tables and illustrations is also provided.

Bearing Puller BP 61

Enabling the dismounting of ball bearings in blind housings, this toolkit consists of 6 puller arm sets and 2 supporting spindles and is suitable for deep groove ball bearings from 10 to 100mm shaft diameter.

Part No
SIMABP61

Bearing Maintenance Kit MK 10-30

Consisting of 50 components, this kit allows quick, precise and secure mounting and dismounting of most common bearings with bore diameter from 10 to 30mm.

Part No
SIMAMK10-30

Bearing Fitting Tool FT 33

Designed for fast, precise and secure mounting of bearings with bore diameters from 10 to 50mm.

Part No
SIMAFT33

Seal Puller SP 50

Enabling the dismounting of rotary shaft seals in a wide variety of applications. Consisting of a sliding hammer, 2 extensions and 50 spare screws, 50 seals can be dismounted.

Part No
SIMASP50

Is your Condition Monitoring monitored?

Condition Monitoring is only as good as the data it collects. Ensuring maximum plant uptime demands permanent data monitoring.

ERIKS' cloud-hosted solution uses RFID tags and handheld data acquisition devices to ensure you always have the latest information at your fingertips:

- View machine performance online with Machine WebWatch
- Receive SMS or email alerts of triggered alarms for faster reaction, and less downtime
- Analyse or alter configurations without going on-site – save time and money
- Cloud-based database of maintenance routines, information, inspection routes

Steps to success

Take these simple steps hand-in-hand with ERIKS Electrical Power Distribution Services, to maintain your power supply and productivity, retain your insurance cover, and meet your legal obligations.

- **STEP 1** Consultation: reviewing high risk, performance-critical areas to identify and prioritise savings or improvement opportunities.
- **STEP 2** Recommendation: prioritising solutions into short- and medium-term for implementation, to create an agreed action plan.
- **STEP 3** Supply, installation and commissioning: to ensure the commitments made are delivered and to help you get the most out of the solution.
- **STEP 4** Reporting and training: our engineers can work with your team, if required, to get the solutions successfully implemented.
- **STEP 5** On-going support: provided as required by our technical specialists, from reliability review meetings to best practice advice.

To find out more about monitoring your Condition Monitoring – for less downtime, more uptime and greater productivity – visit **www.eriks.co.uk** or call **08000 55 66 44**